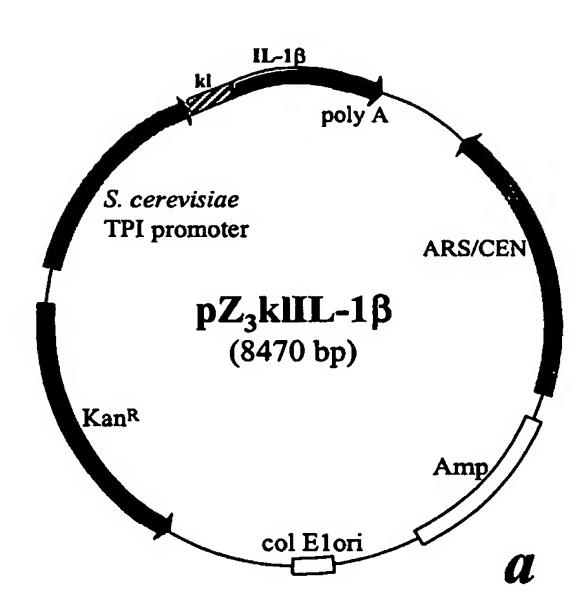


Figure 2



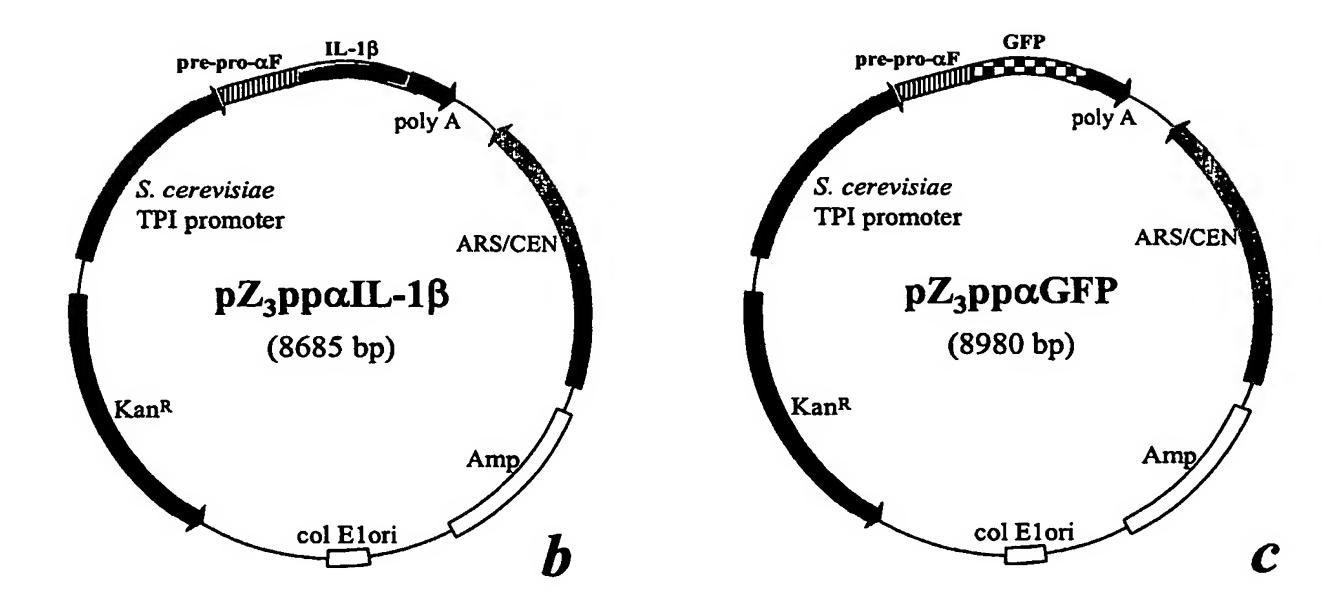
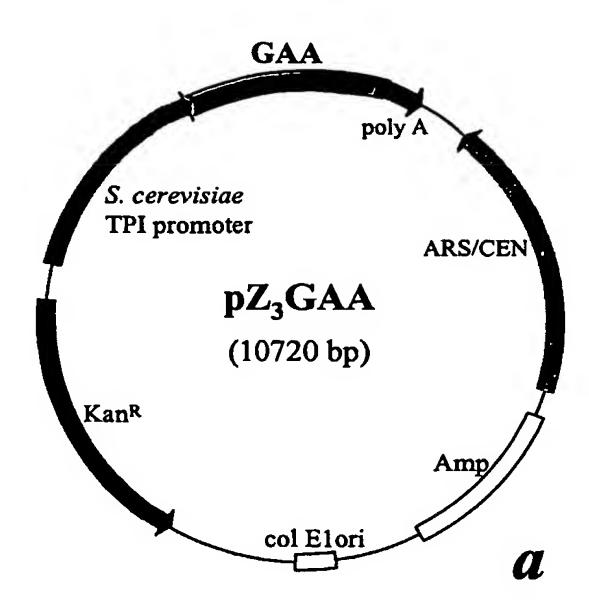




Figure 3



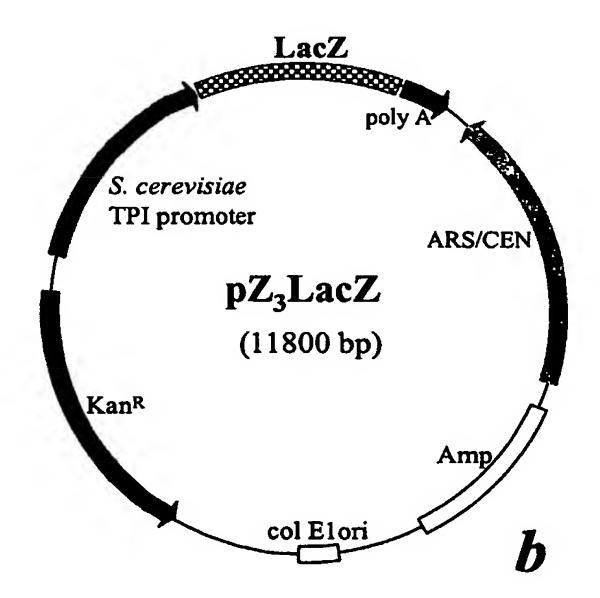
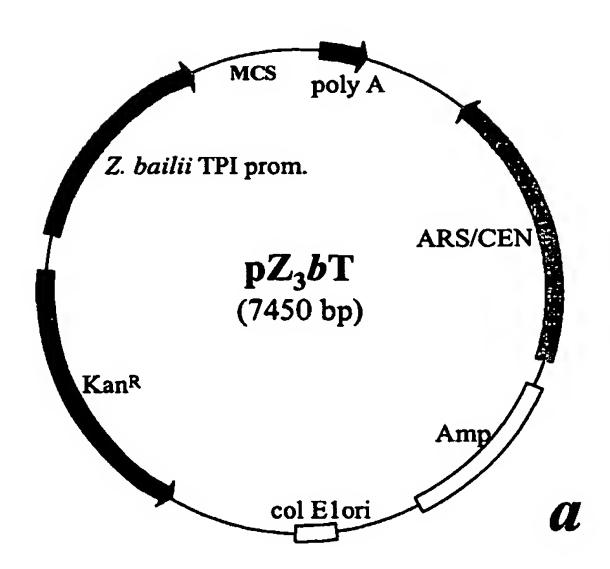




Figure 4



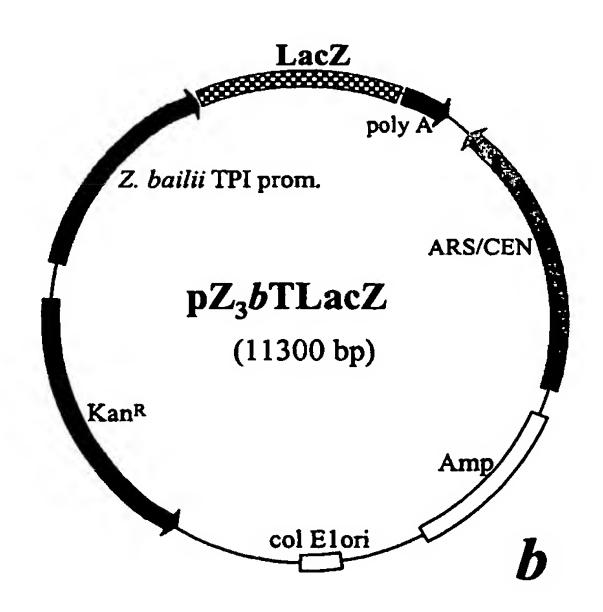
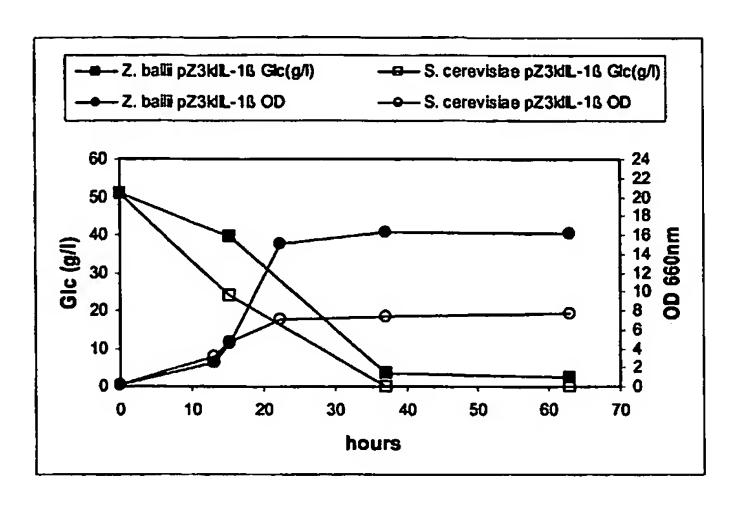
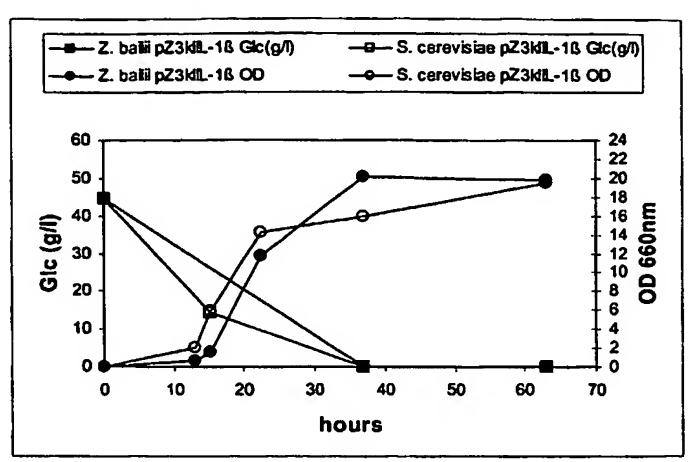


Figure 5

YNB Glc 5%

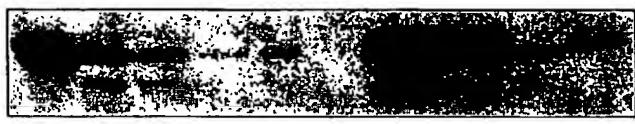
YPD Glc 5%





YNB Glc 5%

Z. bailii Z. bailii S. cerevisiae pZ3klIL-1β pZ3 pZ3klIL-1β



15 23 37 63 15 23 37 63 hours

Z. bailii S. cerevisiae pZ3klIL-1β pZ3klIL-1β

23 37 63 15 23 37 63 bhours

YPD Glc 5%

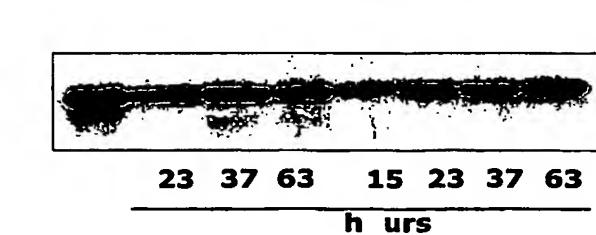
23 37 63 15 23 37 63

hours

a



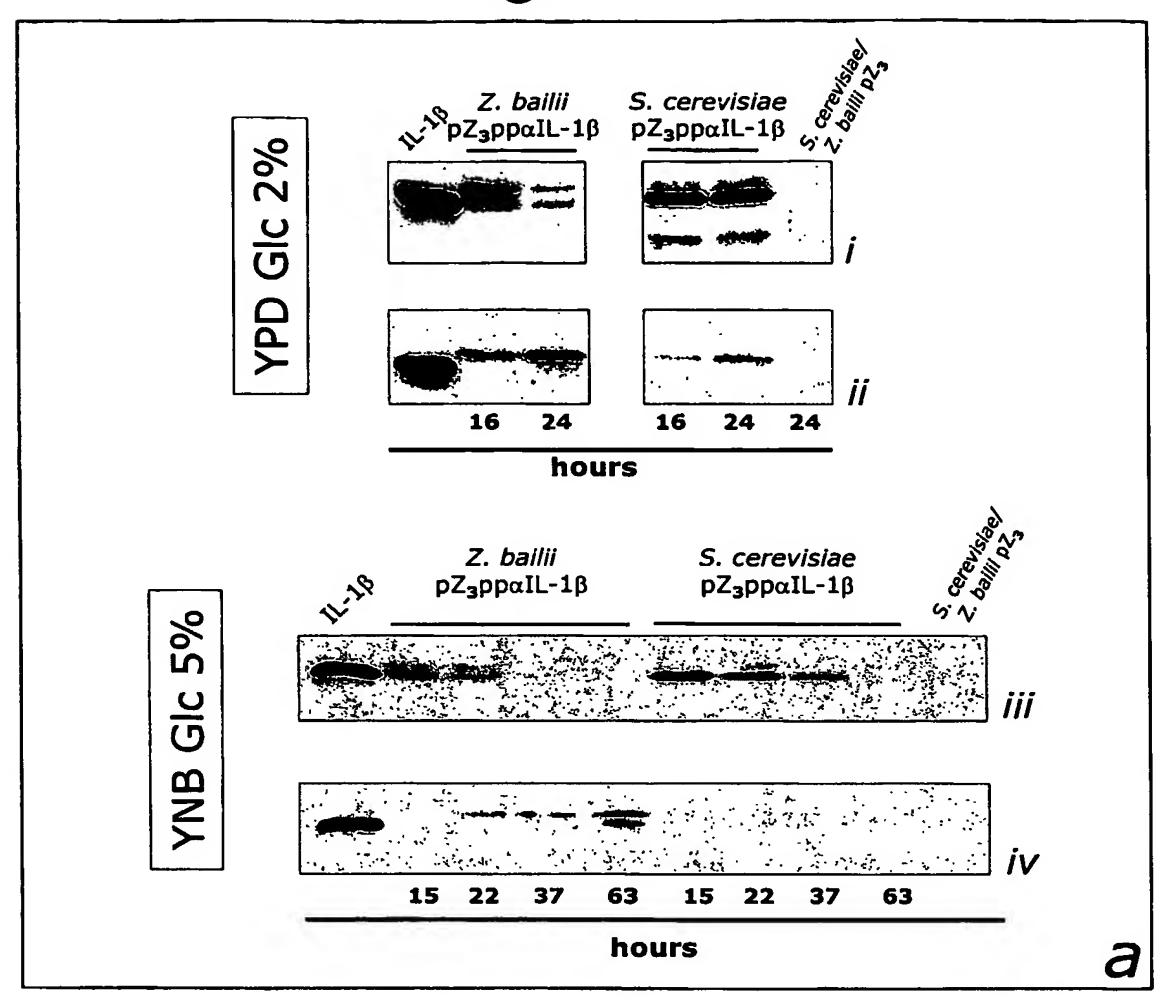
15 23 37 63 15 23 37 63 hours



15 23 37 63 15 23 37 63

hours

Figure 6



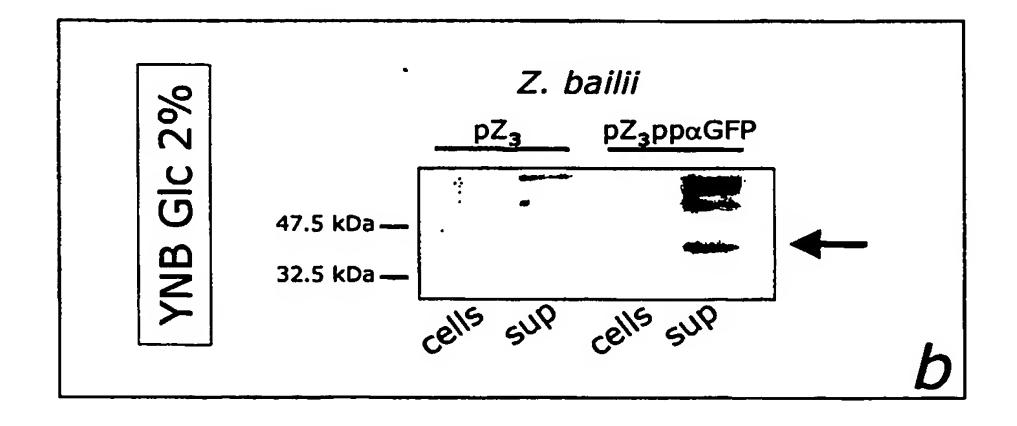




Figure 7

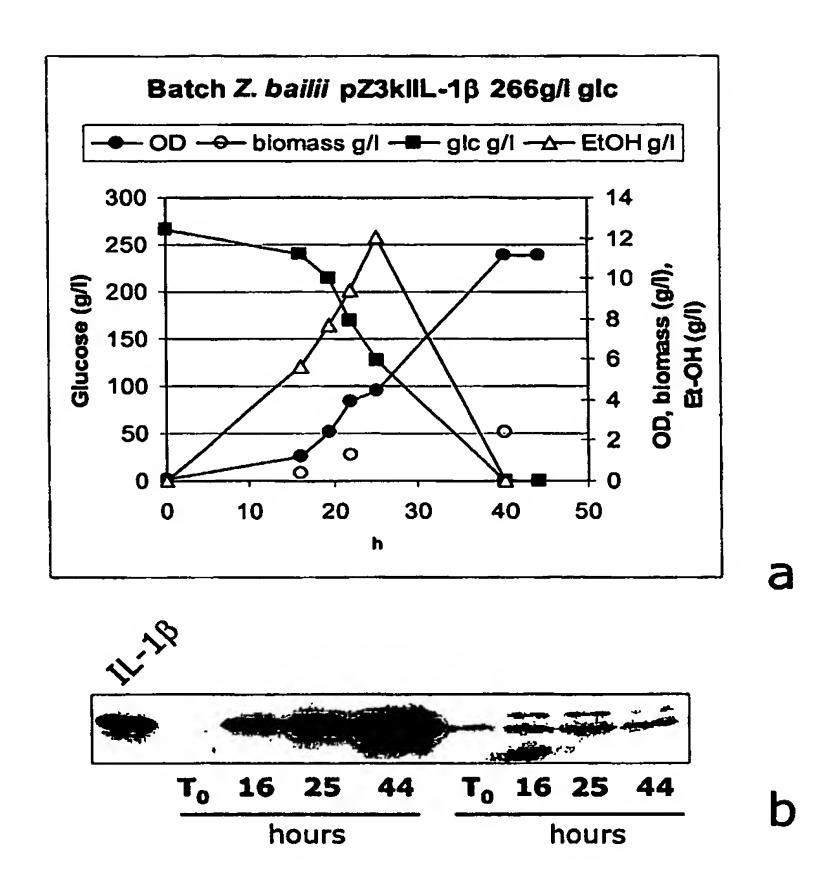
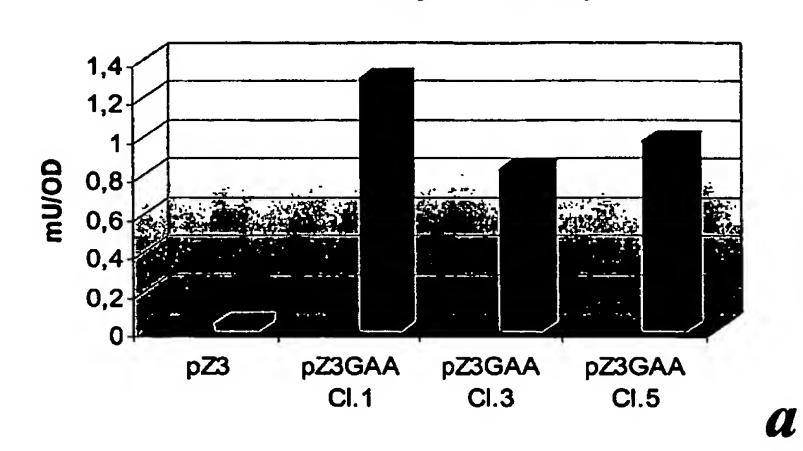
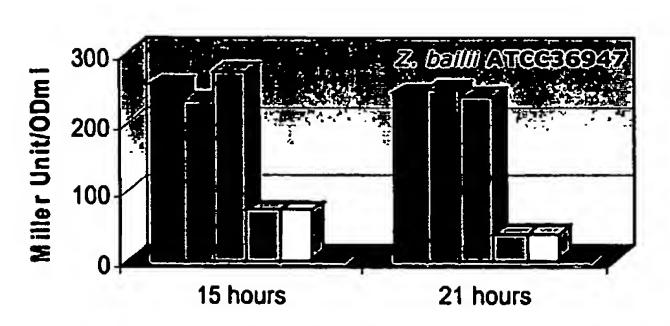


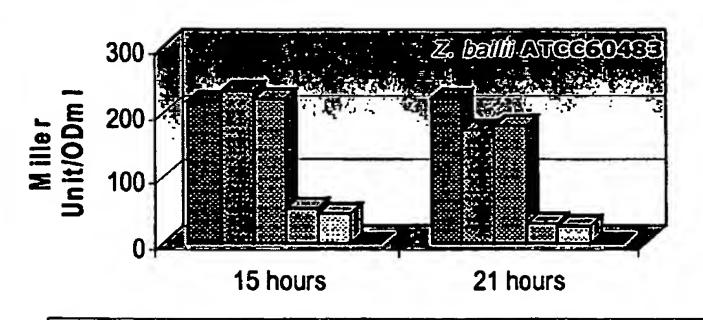
Figure 8

Glucoamylase activity







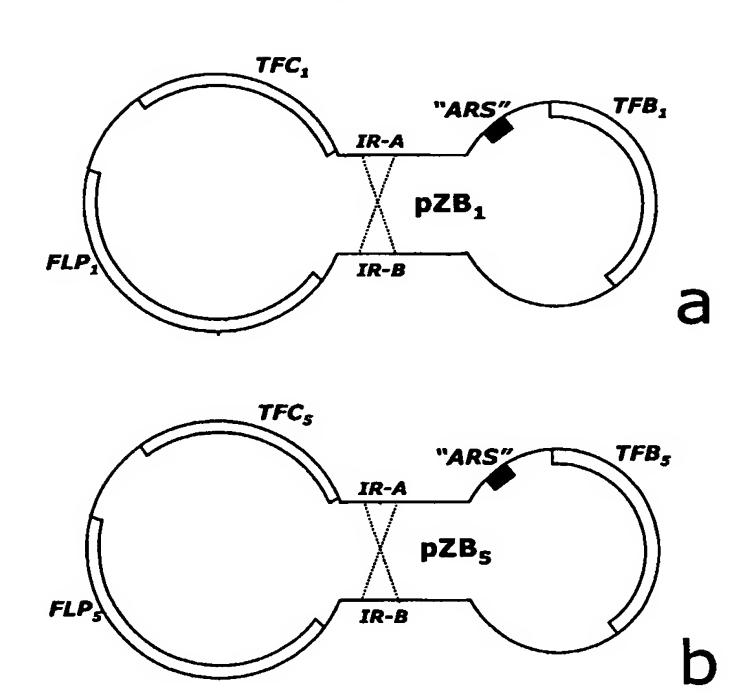


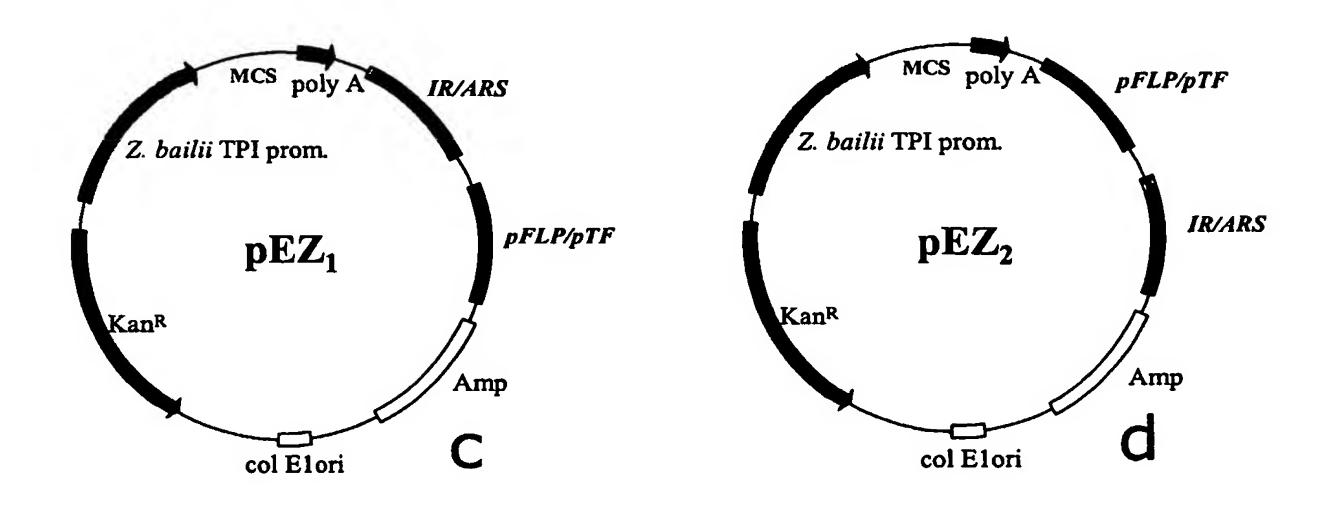
■ pZ3bTLacZ cl.1 図 pZ3bTLacZ cl.2 図 pZ3bTLacZ cl.3 図 pZ3LacZ cl.1 □ pZ3LacZ cl.2 ■ pZ3



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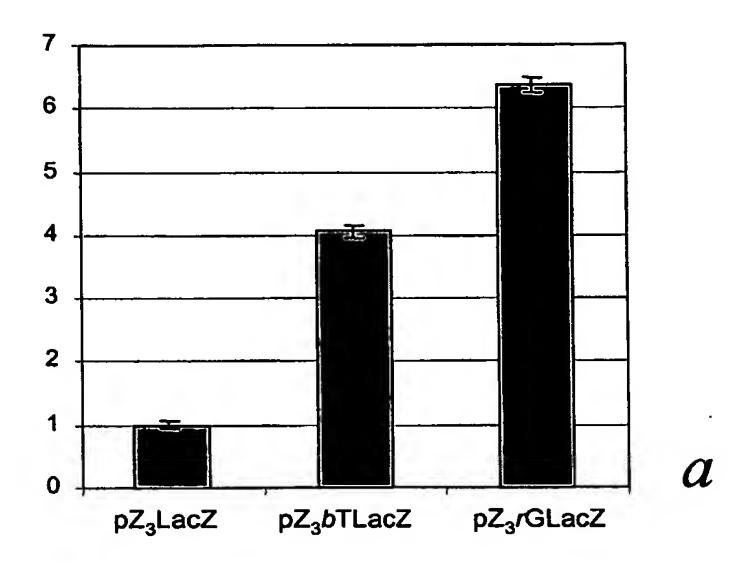
Figure 9

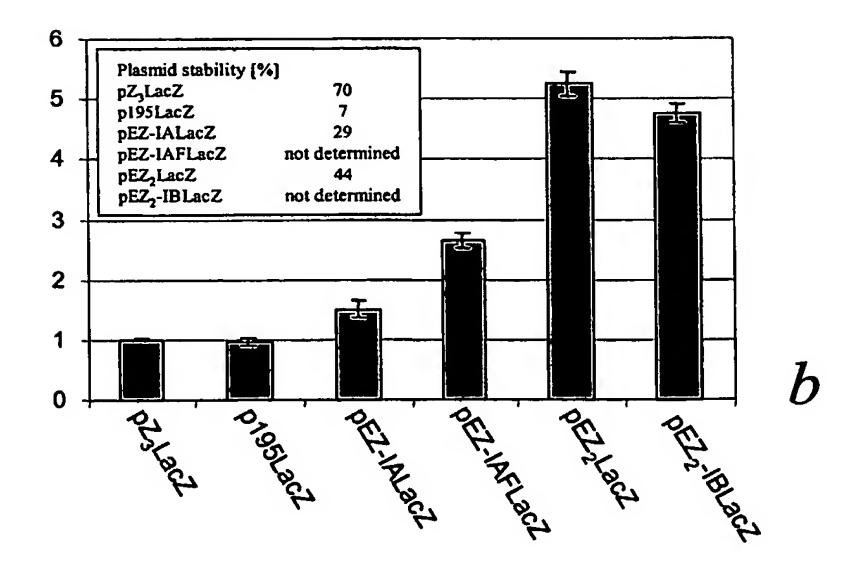




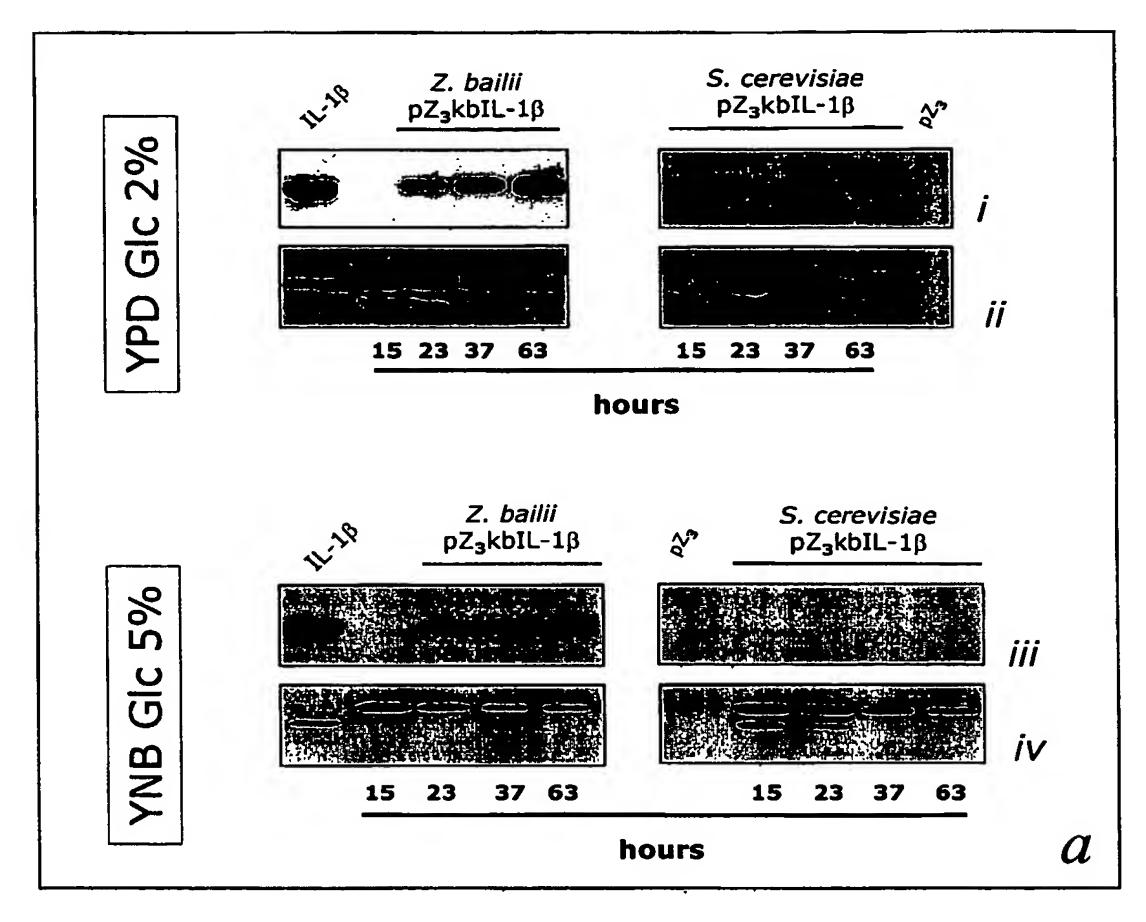
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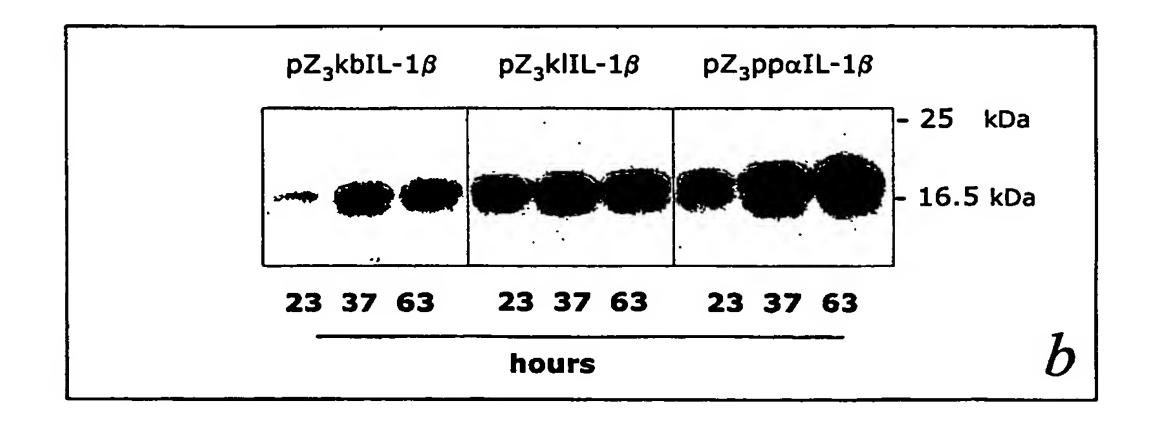
Figure 10





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Figure 12

